

PRIMARY TYPE SPECIMENS IN THE SOUTH DAKOTA STATE UNIVERSITY INSECT COLLECTION^{1,2}

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ABSTRACT: Specimen data and references to their original descriptions are provided for 16 species of insects for which primary types (holotypes, syntypes) and allotypes are deposited in the South Dakota State University Insect Collection. Insect orders for these types include: Orthoptera, Coleoptera, Diptera and Hymenoptera.

DESCRIPTORS: Primary Types, South Dakota State University, Holotypes, Allotypes, Syntypes, Orthoptera, Coleoptera, Diptera, Hymenoptera

One of the obligations of institutions housing type material in collections in their care is to make those specimens freely available for study by other scientists. The insect collection of South Dakota State University contains several type specimens, including primary types for 16 species and numerous secondary types. This paper identifies those specimens in our care.

H.C. Severin, former Head of the Entomology-Zoology Department at South Dakota State College, indicated his intent to present type specimens in the S.D.S.C. collection to the U.S. National Museum (Osborn, 1930). However, in 1970, when I requested a check of the records of the U.S.N.M., the Secretary of the Smithsonian Institution (U.S.N.M.) indicated that only a single hymenopteran type was received from Prof. Severin. Evidently the bulk of the types was never sent. A search of the S.D.S.U. collection, which includes more than one million specimens, revealed the following primary types.

ORTHOPTERA

Acrididae

Melanoplus algidus Scudder 1899, Proc. Davenport Acad. Nat. Sci. 7: 195, 199-201, pl 9 fig. 6. 2 Syntypes: ♂♂ "Mary's Peak, Benton Co., Or. Sept. 16, 1897". "Type 15474".

Melanoplus debilis Scudder 1899, Proc. Davenport Acad. Nat. Sci. 7: 196, 201-202, pl 9 fig. 7. 2 Syntypes: ♂ "Siskiyou, Or. Sept. 6, 1897". "Type 15487". ♀ "Ashland, Or. Sept. 7, 1897".

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Melanoplus decoratus Morse 1904. Psyche 11: 12. 2 Syntypes: ♀♀ "Murphy, N.C. July 25, 1903". "Type 15516".

Melanoplus devius Morse 1904. Psyche 11: 12. 2 Syntypes: ♂ "Wytheville, Va. Sept. 5, 1903". ♀ "Wytheville, Va. Sept. 4, 1903". "Type 15505".

Melanoplus divergens Morse 1904. Psyche 11: 8. "Type 15509". ♀ "Balsam, N.C. Aug. 19, 1903 Jones' Peak".

Melanoplus islandicus sylvestris Morse. 1904. Psyche 11: 10. 2 Syntypes: ♂ & ♀ "Blowing Rock, N.C. July 19, 1903". "Type 15513".

Melanoplus nanus Scudder 1899. Proc. Davenport Acad. Nat. Sci. 7: 160, 161, pl 7, fig. 3. 2 Syntypes: ♂ "Berkeley, Calif. Aug. 21, 1897". ♀ "Baden, Calif. Aug. 24, 1897". "A.P. Morse Coll.". "Type 15484".

Melanoplus phoetaliotiformis Scudder 1899. Proc. Davenport Acad. Nat. Sci. 7: 175, 179, pl 7, fig. 9. [=Phoetaliotes nebrascensis (Thomas)]. Syntypes: ♂ "Gazelle, Calif. Sept. 5, 1897". "Type 15481". ♀ Collection data same as first syntype.

Melanoplus validus Scudder 1899. Proc. Davenport Acad. Nat. Sci. 7: 195, 197, pl 9 figs. 4,5. 4 Syntypes: ♂ "Roseburg, Or. Sept. 10, 1897". "A.P. Morse Coll.". ♂ & ♀ "Glendale, Or. Sept. 9, 1897". ♂ "Drain, Or. Sept. 11, 1897". "A.P. Morse Coll.". "Type 15475".

Melanoplus varicus Scudder 1899. Proc. Davenport Acad. Nat. Sci. 7: 160, 161 pl 7, fig. 3. 2 Syntypes: ♂ "Tehachapi, Calif. Aug. 2, 1897". "A.P. Morse". ♀ "Tehachapi, Calif. Aug. 9, 1897". "A.P. Morse". "Type 15478".

COLEOPTERA

Melyridae

Collops bridgeri Tanner 1936. Proc. Utah Acad. Sci. 13: 153. Allotype: "Placid Lake, Mont. Aug. 8, 1947. H.C. Severin, Coll."

Chrysomelidae

Myochrous movallus Johnson 1931. Canadian Entomol. 43: 148. 2 Syntypes of 5 mentioned in the original description. "Elk Point, S.D. June 24, 1926. G.I. Gilbertson Collector".

Pachybrachis othonus sioux Balsbaugh 1973. Ann. Entomol. Soc. America 66: 254. Holotype: ♂ "Cottonwood, S.D. June 1, 1955 H.C. Severin Coll.". Allotype: ♀. Collection data same as for holotype.

Paria pratensis Balsbaugh 1970. Ann. Entomol. Soc. America 63: 457. Holotype: ♂ "Volga, South Dakota".

DIPTERA

Tachinidae

Grisdalemyia setosa Reinhard 1937. Brooklyn Entomol. Soc. Bull. 32: 72-74. Holotype: ♂ "Winner, S.D. July 4, 1924". "H".

HYMENOPTERA

Megachilidae

Megachile dakotensis Mitchell 1926. Psyche 33: 164. Holotype: ♂ "Hot Springs, S.D. July 10, 1924". Allotype: ♀ "Ft. Pierre, S.D. Aug. 11, 1924".

LITERATURE CITED

Osborn, Herbert (Chairman). 1930. Report of Committee on Insect Collections in American Museums. Ann. Entomol. Soc. America 23: 202-205.